INTERNATIONAL SEARCH REPORT



nal Application No 03/00396

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 D07B1/02 D04C1/12

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 D07B D04C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUM	ENTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A)	US 2 181 344 A (A.J. RICK) 28 November 1939 (1939-11-28) page 2, column 1, line 60 - line 72	1,2
A	US 2 281 036 A (J.A. HETZEL) 28 April 1942 (1942-04-28) page 2, column 1, line 10 - line 48	1
A	US 4 170 921 A (G.H. REPASS) 16 October 1979 (1979-10-16) cited in the application column 3, line 18 - line 63	1
A	US 5 901 632 A (R.J. RYAN) 11 May 1999 (1999-05-11) cited in the application column 4, line 38 -column 5, line 21 column 6, line 14 - line 53	1,3,4
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Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
 Special categories of cited documents: 'A' document defining the general state of the art which is not considered to be of particular relevance 'E' earlier document but published on or after the international filing date 'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) 'O' document referring to an oral disclosure, use, exhibition or other means 'P' document published prior to the international filing date but later than the priority date claimed 	 'T' later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention 'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone 'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. '&' document member of the same patent family
Date of the actual completion of the international search	Date of mailing of the international search report
1 October 2003	13/10/2003
Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Goodall, C

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C.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2 600 395 A (J.J. DOMOJ; S. ROSENBERG) 17 June 1952 (1952-06-17)	
		
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INTERNATIONAL SEARCH REPORT

ation on patent family members

Introduced Application No Public L 03/00396

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 2181344	A	28-11-1939	NONE		**
US 2281036	Α	28-04-1942	NONE	·	
US 4170921	Α	16-10-1979	NONE		
US 5901632	Α	11-05-1999	US	5931076 A	03-08-1999
US 2600395	A	17-06-1952	NONE		